SafeStore Gold Edition

Version 2.9

By Aldea S.r.l.

User Guide

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Overview

SafeStore is a basic utility for storing passwords and other sensitive information and protecting them with a global password.

SafeStore is an electronic wallet for java phone. You can use SafeStore to store your personal and private information, including bank account, credit card, membership, general details, notes, password and website, into your mobile phone.

All data is encrypted prior to storage using 448-bit Blowfish algorithm using a password never save in the phone.

SafeStore has been tested under Nokia Series 40 and 60.
Although it has been fully tested, we still recommend you always backup your important data to other support; Store a personal information only into the mobile phone isn't a secure way.

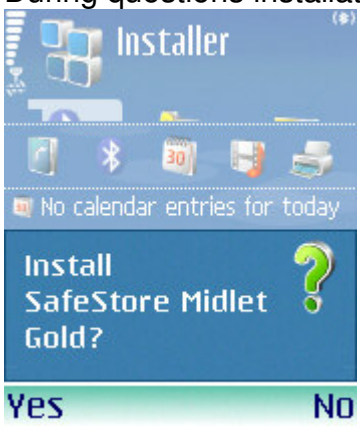
Chapter 1 - What's news

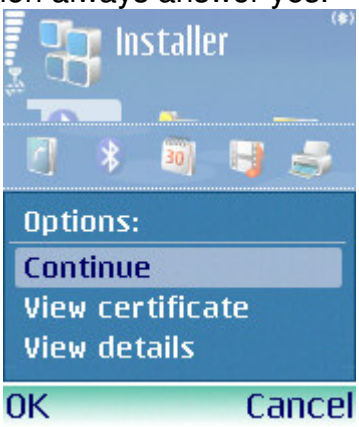
Version	Type	Description
2.9	New	Add Romanian interface.Optimized memory in import feature. Defined default export path for other manufacture phone Generate a registration key with IMEI for many other phone models. Added Backup in XML format.
2.8	New	Add Russian, French and Hungarian user interface Add unicode characters support for field value. Fix important bug, same for specific manufacture like Samsung and Sony Ericsson, other for all phones.
2.7	New	Add Spanish, German user interface
2.6	New	Search function
	New	Lock Screen function
	New	Import with selection file function
	Fix	Problem in deleting item
	Fix	Import Csv with blank field
	Fix	Change language.
2.5		
	New	In New Field : change type list in popup After add field cursor focus on it. 3 new Assistant type
	New	Rename Item
	New	In parameters : Change password function
	New	Improve item view.
	New	Now select with central button of roller
	New	New parallel cache
	New	New delete all item function
	Fix	Backup and Import Password now not in plain text in parameters editing
	Fix	Changed all Exit button in Back button
	Fix	In Send BT, List bluetooth device now check if no device found.
	Fix	No add New Category with empty name.
	Fix	Delete first field in item. before not erasable.
	Fix	Last update field and backup file now with date and time

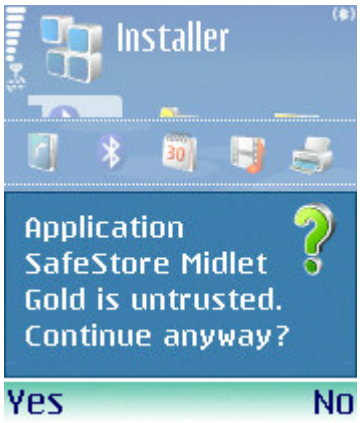
Chapter 2 - Installation Guide

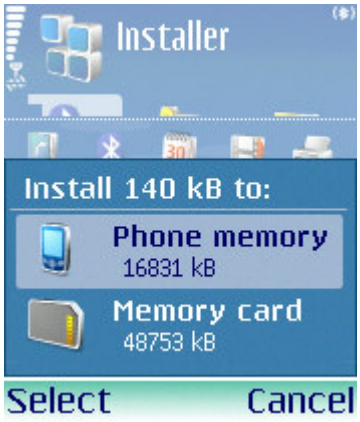
Use your Desktop program to send SafeStoreGold.jar on mobile device.

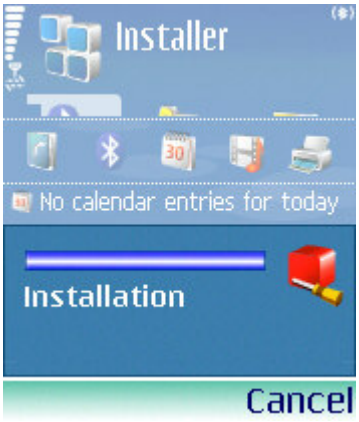
During questions installation always answer yes.











Chapter 3 - Upgrade Guide

The new versions is incompatible with previous version, but for security reason you can upgrade with this steps :

a) backup data
b) remove old installation
c) install new version
d) rename backup file in SafeStore.jpg
e) import data

Chapter 4 - Configuring Access Permissions

For read and write permission in same device is necessary to configure this privileges, otherwise SafeStore cannot save log, import or backup data.

Sony Ericsson phones:

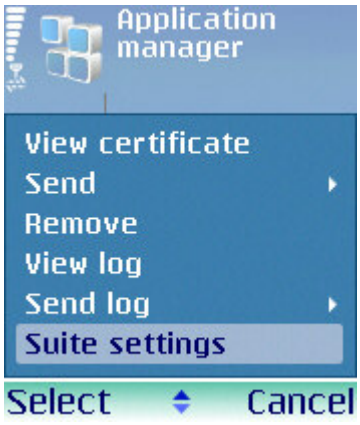
Go to either Applications or Games (depending on where you installed SafeStore). Highlight SafeStore, but instead of opening it, press More->Permissions.

Select Read User Data and set the access permissions to "Ask once" or "Ask Always".
Select Write User Data and set the access permissions to "Ask once" or "Ask Always".

Nokia Series 60 phones:

Go to Tools > Manager > SafeStore > Options > Suite settings

Select Read User Data and set the access permissions to "Session" or "Ask Always".
Select Edit User Data and set the access permissions to "Session" or "Ask Always".



Nokia Series 40 phones:

Go to SafeStore ->Options->Application access->Phone access
Select Read User Data and set the access permissions to "Session" or "Ask Always".
Select Write User Data and set the access permissions to "Session" or "Ask Always".

Chapter 5 - Before start SafeStore

SafeStore need to generate a Registration Key, if Bluetooth is active, it try to use a unique Bluetooth address, otherwise generate a random sequence.

If Registration Key is link to your device (Bluetooth address), you can install license key any time you want on the same device. Otherwise the license is valid only for one installation, and if you must update firmware or your device need restore a system backup, you left a SafeStore license.
You can try to ask, Aldea's helpdesk a new copy of license, but Aldea are not obligate to generate new license.

Suggestion : Active Bluetooth before start SafeStore for first time.

Chapter 6 - Start SafeStore

The first time you start SafeStore, parameters form is show. You must define a logon/cipher password. It must have 8 characters.We suggest to create a hard password.
Don't forget this password, nobody, Aldea helpdesk include, can recover it.
The password isn't save on device. but a fingerprint generated with your password is use to authenticate logon.

Store your data

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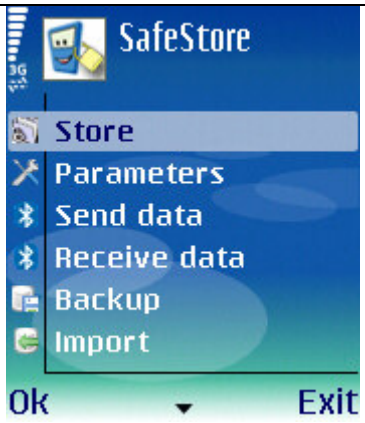
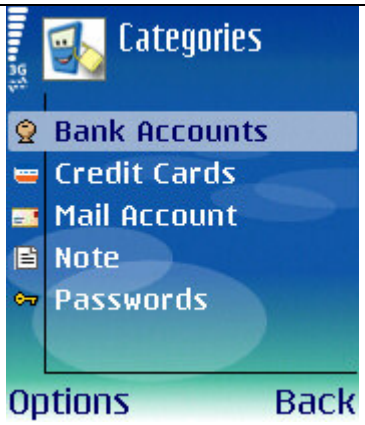
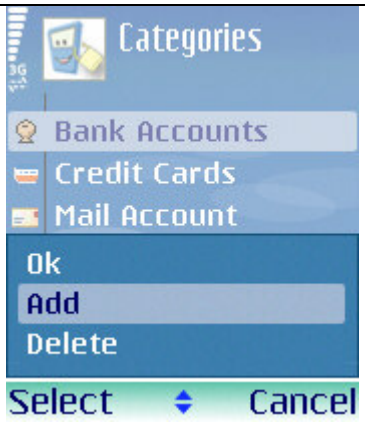
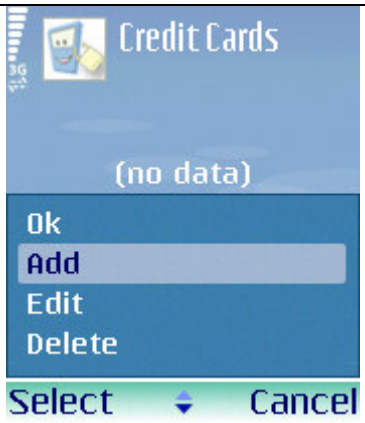
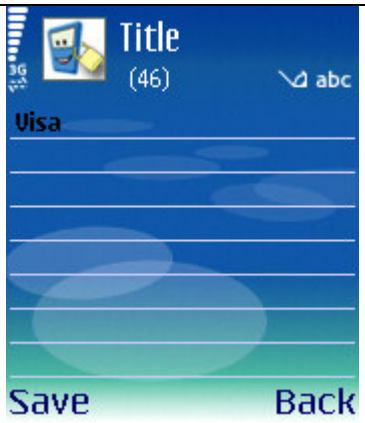
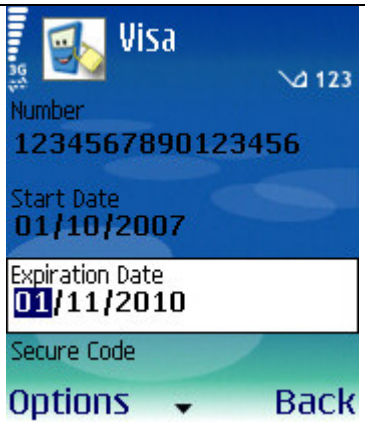
<td> 

Select Store option</td>
<td> 

Choice a categories</td>
<td> 

or create your Category</td>
</tr>
<tr>
<td> 

in categories select Add for create new item</td>
<td> 

insert a item name and press Save</td>
<td> 

Now compile the field for item</td>
</tr>
</table>

<table>
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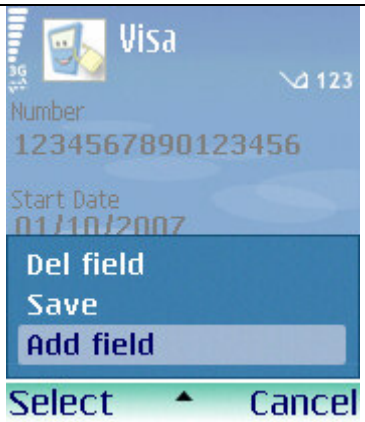
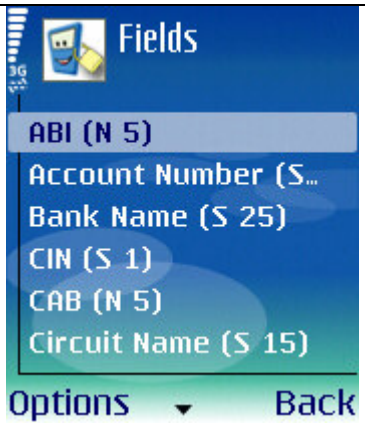
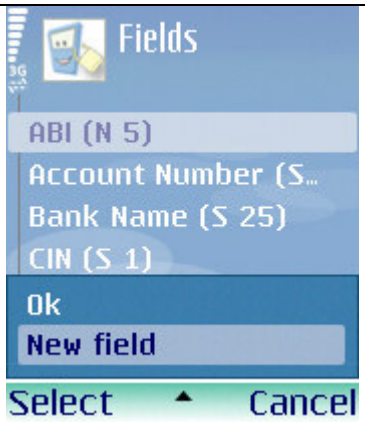
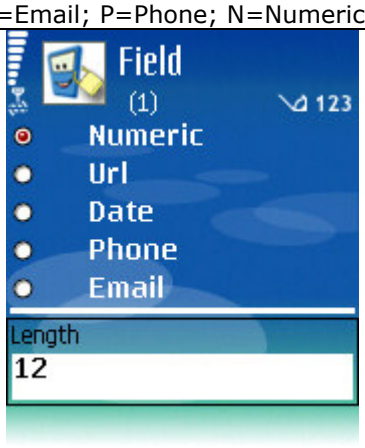
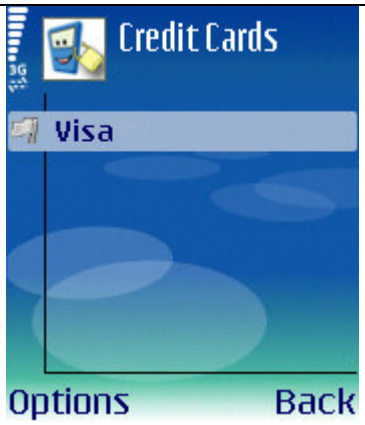
<td> 

If you want other field, select Add field</td>
<td> 

and choice a field from list. The fields list give you a field name and in parenthesis, type and length
The type is limited to first character:
T=Text; D=Date; U=Url; E=Email; P=Phone; N=Numeric</td>
<td> 

or create your field with New field option.</td>
</tr>
<tr>
<td>

in new field specify field name and type</td>
<td> 

and field length</td>
<td> 

Insert all field you would like. Remember, only fields not empty are saved.
Press Save and new item is stored.</td>
</tr>
</table>

Chapter 7 - Parameters

Parameter	Description
Language	Language: Allows to specified the user interface language.
Password	Login and encryption data password .For change password Backup is mandatory
Confirm Password	Confirm previous parameter
Backup/Import path	Backup and Import Path where file are stored. Default value is the pictures's path, because this path have read and write privileges
Backup/Import Password	Backup and Import Password used to cipher backup and decipher import file
AutoLock after (min.)	Beyond the Timeout (in minutes) specified in this parameter, SafeStore requires to retype the access password, this to avoid unauthorized accesses to SafeStore information
Rapid access	If enabled, upon entering the password, allows you to access immediately to the category list, skipping the main menu
Password quality	If enabled shows a password quality index icon in item's list . If there are many items, this function can slow access to the item's list . Password Quality is always show in item's detail : **High quality (green)** - min. 12 characters . At least one special character. Two uppercase letters and two lowercase letters and at least 2 digits. **Medium Quality (yellow)** - min. 8 characters. At least one uppercase letter or one lowercase letter and 2 digits. **Low Quality (red)** - not respect other level's features **No password field (white)**
Dark Background	Specified if dark background screen. This is for optimize same special assistant field colours.
XML Backup	The Backup export data in XML format too. For security reason the XML Backup parameter is set to default (deactive) on SafeStore startup. Pay attention to xml file, that there are easy readable from any text editor (like notepad), please delete them after used.
Registration Key	Code needed for request license on www.aldea.it; If the license key has already been inserted the registration key isn't show
License Key	License Key to send in Aldea helpdesk communication
Log Level	Trace level. Change only on Aldea's helpdesk request (if set to DEBUG, the interface could be slower and could request to confirm the access permission to write on the file system).

Chapter 8 - Backup

Backup save all data in a cipher file with password specified in Menu->Parameters.

The file have the format SafeStoreYYYYMMDD.jsp.
where YYYYMMGG is backup date.

The extension is image format for secure reason.

The file is cipher with password specified in Parameters

The backup need to access to file system so, depending on the device's firmware, configure permission and when the system could ask confirm to access the files with the read and write privileges, please answer yes otherwise the backup is impossible.

Backup save only data not SafeStore configuration (Parameters).

If XML Backup parameter is active, the backup generate a plain text in XML format too.

Chapter 9 - Import data

Import: Import data from file into SafeStore.
Is possible import Backup file o csv file (this type only for Passwords Category).
The file must exist in directory specified in Menu->Parameters.

The importing data have priority in existing item in SafeStore.

If items already exist, they will be overwriting by the importing data.

Import Type	File name format
Backup	SafeStore.jsp
CSV	SafeStore.csv

Csv format (four field separated with ;) :

Category (mandatory “Password”);PasswordName;User;Password

Example :

```
Password;OfficeNetwork;user350;s0r3ll3s4rd3
Password;BoxOffice;user;s9eo394rut
```

On www.aldea.it you can download a csv example file, you can use it as a template.

Chapter 10 - Send and Receive Data via Bluetooth

If you want, can send all data in SafeStore to another SafeStore installation, always with SafeStore installed.
This is very useful, when you buy a new device and don't want to use a PC.

For a correct transmission, first, start the Receive Data options, then select Send data on other device. After same seconds a Bluetooth device list is show. Select your device and transmission start.

Remember all data are sended.

Chapter 11 - How to obtain a license

The SafeStore Gold Edition can be tried for 15 days, after this time, you must buy a license on www.aldea.it.

Compile a form with you information and pay with PayPal account or with credit card always on PayPal site without an account.

Then you will receive an email with a license key; you must digit it on SafeStore Parameters and you installation haven't limits.

Since version 2.5 you can copy SafeStore.lic file, sended with license email, into the path specified in 'Backup and Import Path' parameter.
In this way in License Parameter you can use option 'License from file" for read license and don't manually digit it.

Chapter 12 - View Assistant

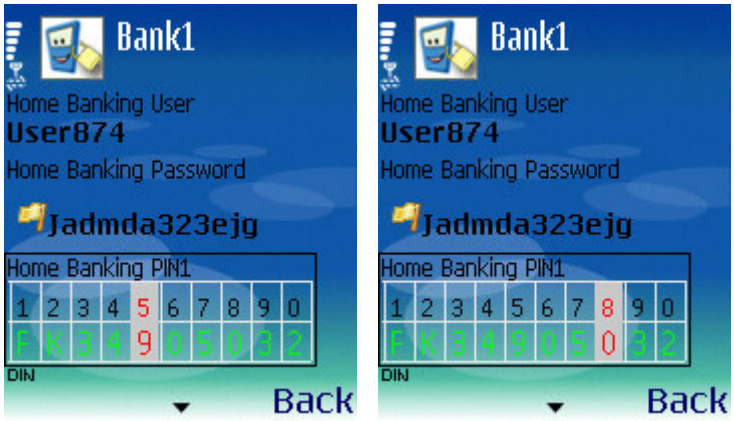
Since version 2.5 is possible to use assistant in view and edit same special field ("game password").

Many banks for improve security, give their customer a game password, and require a part of this for authenticate or confirm disposition.
For help this customer there are 3 type of SafeStore Assistant.

1. **Ruler :** Is a easy ruler on field, that help to detect a position.
   Bank ask one or two digit in random position.

   Ex.
   PIN1 : FK34905032
   Bank : "press 5th and 8th character of your PIN1"

   It not always easy found a position in a characters series, but with SafeStore, you can move with cursor and highlight position or you can read a top ruler.



   In editing mode the Ruler field is a simple text/numeric field.

2. **Collections:** Is a key groups. Bank ask you a part of a key in one/two group.

Figura 1 - Collections password - Italian bank sample

Ex.
SessionPassword : 32 groups of 4 digit
Bank : ”Press first and fourth digit of 25th groups”

In view item you can speedily select a specific group in a popup.

In editing mode you can insert a group value in a grid.

3. **Chessboard :** Is a real Chessboard/ Naval Combat. Bank ask one or two key in random coordinate.

Ex.

	A	B	C	D	E	F	G
1	5	8	2	2	W	T	4
2	4	6	R	3	G	H	H
3	4	3	3	F	F	4	5
4	T	Y	9	4	1	9	7
5	F	3	8	G	3	1	7

Figura 2 - Chessboard password sample

Bank : ”Press character in A1 and G3”

In SafeStore view item you can see a chessboard and you can move with cursor for found a specific cell.

Chapter 13 - KeePass (Desktop utility) integration

Now you can import/export data in/to SafeStore from famous free password manager KeePass Password Safe.

For install the plug-in download it from www.aldea.it/safestore and copy SafeStorePlugIn.dll and BouncyCastle.Crypto.dll in KeePass directory (where there is KeePass.exe)

In importing if there is a same key name the plugin check last modification field, if the importing field is latest the KeePass key are overwrite.

This plug-in is tested with KeePass Password Safe 2.06 Beta and it is incompatible with KeePass Password Safe 2.05 Alpha version.

Chapter 14 - Suggestions for create hard passwords

Never use easy-to-guess passwords, such as your date of birth, pet's name, or social security number. The password is case sensitive and may contain any combination of letters, numbers, or special characters. We recommend that you select a password consists of at least one uppercase letter, at least one lowercase letter, at least one number, and at least one special character.

Never reveal your password to another person.

There are same rules for best password manager :

1. Don’t save all data on one system. If your bank have 7 code, the most important keep in mind. In this way if someone steal you phone wallet, you are always protected, SafeStore have autolock for protect this practices.

2. Create hard password. SafeStore help you with Password Quality Index, to evaluate your code. There are same rules you can use for create password:
    i. Use phasepassword, a phase composed with more word that I easy remember. The length must be a least 14 characters.
    ii. Convert same letter in similar digit
        - 4=A
        - 3=E
        - 0=O
        - 1=I
        - 7=T

        Or invent you alphabet.
    iii. Create a little phase (at least 10 characters) that you remember.
        Sample : women are beautiful
        Became : w0m3n4r3b34ut1ful

3. Change your password every 3 months.

Chapter 15 -Support

If you have same problem try to read FAQ in this document or send ad email to Aldea's Helpdesk (helpdesk@aldea.it) with Registration Key o License Key and License Owner.
In same case is necessary send log too. For get SafeStore.log file :

1. On mobile device go to About->View Log->Save Log
2. The file is saved into Backup Path (default is images path).

In SafeStore.log there isn't your personal information, but before send to helpdesk, open with text editor (notepad) and check it.

Attention: Never, Never Aldea's helpdesk ask you to send a Backup data or other personal information (users, passwords, PIN, etc.) stored in your SafeStore installation.

Chapter 16 - FAQ

1. I can transfer data from SafeStore Free edition to SafeStore Gold Edition ?
No, the Free Edition cannot export data.

2. I backup my data from SafeStore Gold Edition. Can I read that from my PC.
No the backup data are encrypted with password specified on SafeStore Parameters

3. I use SafeStore since same days, but now I saw me the validation/demo period is expired.
You must purchase a license.

4. I've a SafeStore licensied, must reinstalling the application on the same device and digit the license, it response it's invalid.
Check if the Registration Key is the same of license request.
Remember only if you have Bluetooth active during installation your Registration Key is always the same. If Registration Key start with G character, your license is valid only for one installation.

5 When a try to change password. SafeStore show an error.
Don't worry, SafeStore check many dangerous situation, and change password only if whole is secure, no left data is possible. Try exit from application and change password for first operation.

6. When I import data from KeePass backup a take this error : "FormImportExport.importFromXml bl:pad block corrupted."
Check your import password in SafeStore parameters, it must be equal to export Password used in KeePas.

7.Where i found SafeStore Backup file ?
On device file system in path specified in SafeStore Parameters

8.Can i delete SafeStorefield.csv and SafeStoreFieldsAssociation.csv from KeePass directory ?
No.There are a "PlugIn system files". If you delete them, the export function don't know a SafeStore field type and length
and SafeStore a KeePass field relationship.
The two programa are different data structures. In importing the plugin create this files for integrate data structure during export.

9 Which name are export file ?
SafeStoreYYYYMMDDHHMI.jpg where creation date in this format
YYYYY=Year;MM=Month;DD=Day;HH=Hour;MI=Minute

10. Where i must copy the file exported from plugin for importing in SafeStore ?
In the device path specified in SafeStore Parameters.

11. If i move my KeePass database (.kdbx) i need other files ?
Yes you must move SafeStorefield.csv and SafeStoreFieldsAssociation.csv for SafeStore export integration.

12. Why SafeStore don't' export backup in XML format ?
Remember the XML Backup parameter it isn't stored, but every application start up it is deactivate for security reasons.